

Site ID	Overall Index Score		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	55.86	68.95	-13.09
312	43.41	58.67	-15.26
313	43.2	59.7	-16.5
314	38.58	40.44	-1.86
316	30.54	48.3	-17.76
317	64.37	64.26	0.11
318	34.25	64.41	-30.16
319	1.02	0	1.02
322	53.2	66.84	-13.64
1332	25.94	41.7	-15.76
1333	67.59	43.61	23.98
1334	55.85	57.49	-1.64
1336	24.08	27.34	-3.26
2259	26.96	27.48	-0.52
3071	64.58	69.5	-4.92
median:	43.20	57.49	

Site ID	Observed/Expected Macroinvertebrate Score		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	1.16	1.02	0.14
312	1.11	1.04	0.07
313	0.84	0.84	0
314	0.88	0.96	-0.08
316	1.18	1.11	0.07
317	1.16	1.23	-0.07
318	0.96	1.1	-0.14
319	0.46	0.78	-0.32
322	0.8	1.09	-0.29
353	0.64	0.57	0.07
354	0.65	0.8	-0.15
1330	0.8	1	-0.2
1331	0.88	1.1	-0.22
1332	0.73	1.09	-0.36
1333	1.2	1.05	0.15
1334	1.09	0.76	0.33
1335	0.95	0.95	0
1336	0.62	0.76	-0.14
2259	0.92	0.65	0.27
3071	0.96	0.8	0.16
median:	0.90	0.98	

Site ID	Bank Stability		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	100	100	0
312	94	100	-6
313	100	100	0
314	90	100	-10
316	97.7	100	-2.3
317	95.2	100	-4.8
318	97.7	100	-2.3
319	100	97.7	2.3
320	95	92.1	2.9
322	93.2	95	-1.8
353	92.5	100	-7.5
354	95.2	95	0.2
1330	100	100	0
1331	100	97.7	2.3
1332	97.7	100	-2.3
1333	97.8	100	-2.2
1334	97.6	100	-2.4
1335	100	100	0
1336	100	100	0
2006	100	98.4	1.6
2259	100	92	8
3071	100	100	0
median:		97.75	100.00

Site ID	Percent Undercut Banks		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	29.4	16.3	13.1
312	14.3	12.5	1.8
313	10.8	19.1	-8.3
314	22	30.4	-8.4
316	7	14.3	-7.3
317	46.3	32.5	13.8
318	15.4	53.7	-38.3
319	26.2	34.9	-8.7
320	42.1	31.6	10.5
322	36.4	32.5	3.9
353	45	28.6	16.4
354	14.6	20	-5.4
1330	32.3	5	27.3
1331	22.7	13.6	9.1

1332	11.4	22.5	-11.1
1333	29.6	34.8	-5.2
1334	38.1	40.5	-2.4
1335	26.2	11.5	14.7
1336	14	11.4	2.6
2006	21.7	21.7	0
2259	35.7	46	-10.3
3071	54.4	50	4.4
median:	26.20	25.55	

Site ID	Large Wood Frequency		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	335.2	503.4	-168.2
312	148.7	108.8	39.9
313	187.3	125.4	61.9
314	106.1	172.6	-66.5
316	85.5	96.8	-11.3
317	78.1	91.9	-13.8
318	167.5	120	47.5
319	24.7	94.4	-69.7
320	365	170.8	194.2
322	9.2	77.7	-68.5
353	84	34.5	49.5
354	126.4	184.1	-57.7
1330	76.6	148.5	-71.9
1331	11.2	93.3	-82.1
1332	19.3	24	-4.7
1333	280.9	54.4	226.5
1334	454	470.2	-16.2
1335	54.6	83.1	-28.5
1336	46.3	24	22.3
2006	209.4	242.4	-33
2259	350.8	259.9	90.9
3071	646.4	555.6	90.8
median:	116.25	114.40	

Site ID	Bank Angle		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	113	129	-16
312	130	130	0
313	129	125	4
314	116	115	1

316	135	135	0
317	96	106	-10
318	127	89	38
319	110	98	12
320	101	104	-3
322	109	115	-6
353	86	99	-13
354	120	124	-4
1330	115	141	-26
1331	118	130	-12
1332	135	116	19
1333	119	110	9
1334	106	103	3
1335	122	138	-16
1336	137	141	-4
2006	113	115	-2
2259	105	96	9
3071	92	93	-1
median:	115.50	115.00	

Site ID	Percent Fines < 6mm		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	12.4	10.9	1.5
312	2.8	3	-0.2
313	3.2	2.1	1.1
314	3	0	3
316	6.4	5.8	0.6
317	5.8	0.2	5.6
318	14.1	20.6	-6.5
319	41.1	63.3	-22.2
320	16.3	35	-18.7
322	6.5	4.8	1.7
353	100	100	0
354	9.3	12.5	-3.2
1330	5	3.9	1.1
1331	4.8	7.2	-2.4
1332	1.6	2.8	-1.2
1333	8	5.8	2.2
1334	3.2	4.4	-1.2
1335	1.6	1.1	0.5
1336	11.3	3	8.3
2006	18.7	32.8	-14.1
2259	44.4	47.2	-2.8
3071	18.6	13.1	5.5

median:	7.25	5.80
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Site ID	Median Substrate Size		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	0.0355	0.051	-0.0155
312	0.102	0.159	-0.057
313	0.118	0.22	-0.102
314	0.087	0.0915	-0.0045
316	0.0835	0.089	-0.0055
317	0.083	0.1475	-0.0645
318	0.021	0.059	-0.038
319	0.006	0.002	0.004
320	0.08	0.08	0
322	0.086	0.1005	-0.0145
353	0.004	0.002	0.002
354	0.07	0.0475	0.0225
1330	0.066	0.1155	-0.0495
1331	0.0795	0.068	0.0115
1332	0.0825	0.07	0.0125
1333	0.07	0.0775	-0.0075
1334	0.09	0.065	0.025
1335	0.2365	0.2195	0.017
1336	0.095	0.105	-0.01
2006	0.035	0.015	0.02
2259	0.002	0.003	-0.001
3071	0.04	0.0485	-0.0085
median:	0.08	0.07	

Site ID	Residual Pool Depth		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	0.41	0.37	0.04
312	0.21	0.23	-0.02
313	0.43	0.37	0.06
314	0.31	0.35	-0.04
316	0.23	0.23	0
317	0.51	0.37	0.14
318	0.2	0.21	-0.01
319	0.21	0.2	0.01
320	0.21	0.23	-0.02
322	0.45	0.49	-0.04
353	0.28	0.51	-0.23
354	0.42	0.46	-0.04

1330	0.66	0.37	0.29
1331	0.39	0.34	0.05
1332	0.28	0.28	0
1333	0.83	0.18	0.65
1334	0.3	0.24	0.06
1335	0.73	0.53	0.2
1336	0.45	0.5	-0.05
2006	0.29	0.3	-0.01
2259	0.3	0.28	0.02
3071	0.37	0.34	0.03
median:	0.34	0.34	

Site ID	Percent Pools		Difference (Before-After)
	Before (First Date)	After (Last Date)	
311	16.9	56.7	-39.8
312	22.4	53	-30.6
313	21.4	54.3	-32.9
314	35.9	2.5	33.4
316	26.3	64	-37.7
317	27.7	22.1	5.6
318	51.7	62.5	-10.8
319	70.7	59.8	10.9
320	31.7	20.8	10.9
322	31.4	34.8	-3.4
353	62.2	100	-37.8
354	68.7	76.4	-7.7
1330	51.1	58.5	-7.4
1331	31.6	22.7	8.9
1332	18.2	34.4	-16.2
1333	4.5	22	-17.5
1334	16.5	35	-18.5
1335	19.7	38	-18.3
1336	6.7	9.5	-2.8
2006	73.3	78.9	-5.6
2259	68.4	5.7	62.7
3071	46.5	54.9	-8.4
median:	31.50	45.50	

Ordered Al Ranks	Signed Ranks		H_0: The median difference is 0
0.11	1	1	H_1: The median difference is positive
-0.52	2	-2	alpha: 0.1
1.02	3	3	
-1.64	4	-4	W+ = 18
-1.86	5	-5	W- = -102
-3.26	6	-6	W = 18
-4.92	7	-7	W_Critical = 30
-13.09	8	-8	
-13.64	9	-9	SIGNIFICANT!!!
-15.26	10	-10	
-15.76	11	-11	
-16.5	12	-12	
-17.76	13	-13	
23.98	14	14	
-30.16	15	-15	

Ordered Al Ranks	Signed Ranks		H_0: The median difference is 0
0	1.5	1.5	H_1: The median difference is positive
0	1.5	1.5	alpha: 0.1
0.07	4.5	4.5	
0.07	4.5	4.5	W+ = 85
-0.07	4.5	-4.5	W- = -125
0.07	4.5	4.5	W = 85
-0.08	7	-7	W_Critical = 60
0.14	9	9	
-0.14	9	-9	
-0.14	9	-9	
-0.15	11.5	-11.5	
0.15	11.5	11.5	
0.16	13	13	
-0.2	14	-14	
-0.22	15	-15	
0.27	16	16	
-0.29	17	-17	
-0.32	18	-18	
0.33	19	19	
-0.36	20	-20	

Ordered Al Ranks	Signed Ranks	H_0: The median difference is 0
0	3.5	
0	3.5	H_1: The median difference is positive
0	3.5	alpha: 0.1
0	3.5	
0	3.5	W+ = 100
0	3.5	W- = -153
0	3.5	W = 100
0.2	7	W_Critical = 75
1.6	8	
-1.8	9	
-2.2	10	
-2.3	13	
-2.3	13	
2.3	13	
2.3	13	
-2.3	13	
-2.4	16	
2.9	17	
-4.8	18	
-6	19	
-7.5	20	
8	21	
-10	22	

Ordered Al Ranks	Signed Ranks	H_0: The median difference is 0
0	1	
1.8	2	H_1: The median difference is positive
-2.4	3	alpha: 0.1
2.6	4	
3.9	5	
4.4	6	
-5.2	7	W+ = 141
-5.4	8	W- = -112
-7.3	9	W = 112
-8.3	10	
-8.4	11	
-8.7	12	
9.1	13	
-10.3	14	W_Critical = 75

10.5	15	15
-11.1	16	-16
13.1	17	17
13.8	18	18
14.7	19	19
16.4	20	20
27.3	21	21
-38.3	22	-22

Ordered AI Ranks	Signed Ranks		H_0: The median difference is 0
-4.7	1	-1	H_1: The median difference is positive
-11.3	2	-2	alpha: 0.1
-13.8	3	-3	
-16.2	4	-4	W+ = 124
22.3	5	5	W- = -129
-28.5	6	-6	W = 124
-33	7	-7	W_Critical = 75
39.9	8	8	
47.5	9	9	
49.5	10	10	
-57.7	11	-11	
61.9	12	12	
-66.5	13	-13	
-68.5	14	-14	
-69.7	15	-15	
-71.9	16	-16	
-82.1	17	-17	
90.8	18	18	
90.9	19	19	
-168.2	20	-20	
194.2	21	21	
226.5	22	22	

Ordered AI Ranks	Signed Ranks		H_0: The median difference is 0
0	1.5	1.5	H_1: The median difference is positive
0	1.5	1.5	alpha: 0.1
1	3.5	3.5	
-1	3.5	-3.5	W+ = 104.5

-2	5	-5		W- =	-148.5
-3	6.5	-6.5		W =	104.5
3	6.5	6.5		W_Critical =	75
4	9	9			
-4	9	-9			
-4	9	-9			
-6	11	-11			
9	12.5	12.5			
9	12.5	12.5			
-10	14	-14			
-12	15.5	-15.5			
12	15.5	15.5			
-13	17	-17			
-16	18.5	-18.5			
-16	18.5	-18.5			
19	20	20			
-26	21	-21			
38	22	22			

Ordered Al Ranks	Signed Ranks	H_0: The median difference is 0
0	1	1
-0.2	2	-2
0.5	3	3
0.6	4	4
1.1	5.5	5.5
1.1	5.5	5.5
-1.2	7.5	-7.5
-1.2	7.5	-7.5
1.5	9	9
1.7	10	10
2.2	11	11
-2.4	12	-12
-2.8	13	-13
3	14	14
-3.2	15	-15
5.5	16	16
5.6	17	17
-6.5	18	-18
8.3	19	19
-14.1	20	-20
-18.7	21	-21
-22.2	22	-22

H\_1: The median difference is positive  
 alpha: 0.1  
 W+ = 115  
 W- = -138  
 W = 115  
 W\_Critical = 75

Ordered AI Ranks	Signed Ranks		H_0: The median difference is 0
0	1	1	H_1: The median difference is positive
-0.001	2	-2	alpha: 0.1
0.002	3	3	
0.004	4	4	W+ = 91
-0.0045	5	-5	W- = -162
-0.0055	6	-6	W = 91
-0.0075	7	-7	W_Critical = 75
-0.0085	8	-8	
-0.01	9	-9	
0.0115	10	10	
0.0125	11	11	
-0.0145	12	-12	
-0.0155	13	-13	
0.017	14	14	
0.02	15	15	
0.0225	16	16	
0.025	17	17	
-0.038	18	-18	
-0.0495	19	-19	
-0.057	20	-20	
-0.0645	21	-21	
-0.102	22	-22	

Ordered AI Ranks	Signed Ranks		H_0: The median difference is 0
0	1.5	1.5	H_1: The median difference is positive
0	1.5	1.5	alpha: 0.1
-0.01	4	-4	
0.01	4	4	W+ = 162
-0.01	4	-4	W- = -91
-0.02	7	-7	W = 91
-0.02	7	-7	W_Critical = 75
0.02	7	7	
0.03	9	9	
0.04	11.5	11.5	
-0.04	11.5	-11.5	
-0.04	11.5	-11.5	

-0.04	11.5	-11.5
-0.05	14.5	-14.5
0.05	14.5	14.5
0.06	16.5	16.5
0.06	16.5	16.5
0.14	18	18
0.2	19	19
-0.23	20	-20
0.29	21	21
0.65	22	22

Ordered Al Ranks	Signed Ranks		H_0: The median difference is 0
-2.8	1	-1	H_1: The median difference is positive
-3.4	2	-2	alpha: 0.1
5.6	3.5	3.5	
-5.6	3.5	-3.5	W+ = 72.5
-7.4	5	-5	W- = -180.5
-7.7	6	-6	W = 72.5
-8.4	7	-7	W_Critical = 75
8.9	8	8	
-10.8	9	-9	SIGNIFICANT!!!
10.9	10.5	10.5	
10.9	10.5	10.5	
-16.2	12	-12	
-17.5	13	-13	
-18.3	14	-14	
-18.5	15	-15	
-30.6	16	-16	
-32.9	17	-17	
33.4	18	18	
-37.7	19	-19	
-37.8	20	-20	
-39.8	21	-21	
62.7	22	22	